PLAN CHECKING ENGINEER

DIFINITION

To perform professional engineering work of average difficulty in analyzing, checking, and approving plans and specifications of large or complex building and structures.

SUPERVISION RECEIVED AND EXERCISED

General supervision is provides by the Assistant Building Official.

EXAMPLES OF DUITES

Depending upon assignment, duties may include but are not limited to the following:

1. Checking engineering details of plans and specifications of buildings and structures for which building permit application has been made.

2. Insures compliance with provisions of the Building Code and structural design standards.

3. Consults with architects and engineers n preliminary building design and gives information relating to acceptable interpretation of the Building Code.

4. Checks earthquake and wind design plus structural load design for machinery and equipment.

5. Performs non-engineering building code checks for such things as fire resistively, fire exiting, occupancy and site plan requirements.

6. Assists Building Inspectors in the field, where engineering problems are encountered and advises on engineering matters.

7. Performs special studies and prepares reports.

QUALIFICATIONS

Knowledge, Abilities and Skills

A. Thorough knowledge of the basic principles of civil or structural engineering.

B. Thorough knowledge of design principles, strength and materials and stress analysis required in planning major building construction projects.

C. Thorough knowledge of the principles of soil mechanics and foundation analysis.

D. Ability to analyze plans and specifications and detect violations of the Building Code.

E. Ability to understand and carry out technical instructions.

F. Ability to make accurate engineering computations and drawings.

G. Ability to express ideas clearly both verbally and by written report.

H. Ability to deal tactfully and courteously with the general public and others contacted in the course of work.

LICENSE
Registration as a Civil Engineer in California.

EXPERIENCE AND EDUCATION
Any combination equivalent to experience and education that could likely provide the required knowledge and abilities would be qualifying. A typical way to obtain the knowledge and abilities would be:

Experience:
Three years of professional engineering experience involving work in structural plans, analyses, methods and techniques.

Education:
Equivalent to a Bachelors Degree from an accredited college or university with major course works in civil or structural engineering or a closely related field.

PROBATIONARY PERIOD: One Year

610CS85
March 1970
Revised October 1985